

# Umut Kuruluk

## Full Stack Software Developer



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### SKILLS

#### CORE EXPERTISE

- Full Stack Development (Frontend & Backend)
- System Architecture & End-to-End Product Development
- AI Integration (LLMs, automation workflows)
- Data Engineering & Analytics

#### TECHNICAL SKILLS

**Languages:** Python, JavaScript, C#, Java, SQL

**Frameworks & Backend:** .NET, Flask, Django, NodeJS

**Frontend:** React, Angular, HTML, CSS

**Data & AI:** Pandas, Scikit-learn, NLP, ETL Pipelines, Data Analysis, Data Warehouse

**Cloud & Tools:** Azure, Microsoft Fabric, Git

**AI & Automation:** LangChain, LangGraph, n8n, LLM integrations

**Visualization:** Power BI, Data Visualization

### LANGUAGES

**English** ● ● ● ● ●  
B2

**Turkish** ● ● ● ● ●

**German** ● ● ● ● ●  
A1

### ABOUT

Full Stack Software Developer with end-to-end product development experience, capable of designing, building, and deploying scalable applications from scratch to production. Skilled in architecting complete systems including backend, frontend, database design, and deployment pipelines.

Actively working with modern AI technologies and integrating machine learning / LLM-based solutions into real-world applications. Focused on building efficient, maintainable, and production-ready systems with a strong emphasis on performance and user experience.

### PROFESSIONAL EXPERIENCE

#### Data Science, AI/ML Engineer, TEMSA

02/2025 – present | Adana, Türkiye

Built and deployed AI-driven SaaS applications and automation systems to streamline business processes. Integrated modern AI tools into enterprise workflows for scalable automation.

Developed end-to-end solutions from data pipelines to model deployment, leveraging Microsoft Azure for production-grade, scalable systems.

#### Software developer, OYAK Cement (Internship)

07/2024 – 08/2024 | Adana, Türkiye

I completed two projects from scratch during a 20-working-day period: one involving real-time sentiment analysis of companies' social media comments using AI, and another being a Flask webbased inventory control system for IT management.

#### Food and Beverage Ambassador, Tampa Busch Gardens

06/2023 – 09/2023 | Florida, USA

I went to Florida-Tampa and worked as a Food and Beverage Ambassador in Busch Gardens.

## PROJECTS

### IT Inventory System

Developed an IT inventory management system using .NET MVC and MSSQL

### Social Media Comment Sentiment Analysis

Built a web-based sentiment analysis system from social media using Flask and SQLite.

### Java Socket Messenger

Developed a messaging application from scratch using Java.

### API Server

Built a local proxy API server to securely route requests to external LLM services.

### Document Classifier

Built an automated document-naming pipeline with Python to generate descriptive filenames.

### Predictive Inventory Planning System for Automotive Spare Parts

Built regression and classification models to balance stock availability and overstock risk.

### Recall Letter Automation

**Technologies:** Microsoft Fabric, Power BI (Paginated Reports), Power Automate, Microsoft 365 (Word, Outlook)

- Designed and implemented an automated recall letter generation system.

### Websites

**Technologies:** .NET Core, Angular, NodeJS, Express, React, Django, Flask, Azure App Services, REST API, MSSQL, PostgreSQL.

- Developed a full-stack websites to showcase and manage. (AIPortfolio, FleetWebsite, Panorama, VCCWebsite, CodingAgent)

### AI Research&Develope

Claude Skills, Claude Code, CV AI Detection, Token&Context Window Optimization, Kimi k2.5 Multi-Agentive Systems, AI Rule Based Prompting, OpenClaw, LangChain&LangGraph

## INTERESTS

- Basketball, licensed 2015-2019
- Kick Box, licensed 2017-2018
- Chess
- Football
- Fitness

## EDUCATION

### Adana Final High Schools (98.00/100)

2017 – 2021 | Adana, Türkiye

### Computer Engineer, Alparslan Türkeş Bilim ve Teknoloji Üniversitesi (3.62/4.00)

2021 – 06/2025 | Adana, Türkiye

I skipped the English preparatory year of the university by passing the exemption exam and started 1 year early.

### BSc in Computer Engineering (100% English)

**GPA: 3.62 / 4.00 — Ranked 5th in department**  
2021 – 2025

## ORGANISATIONS

### Model United Nations

Model United Nations, a platform dedicated to discussing global issues. The proposed solutions generated during our discussions were presented as recommendations to the actual United Nations.

2017 - ENIMUN

2018 - FIMUN

2018 - RIMUN

2019 - FIMUN

### BİLMÖK

I was selected based on my academic average to represent my university at the BİLMÖK(Computer Engineer Student Congress) congress.

## REFERENCES

**Erdinç Uğurlu**, Information Technology Director,

TEMSA

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**Hikmet Özer**,

Data Excellence and AI Solutions Manager, TEMSA

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**Prof. Dr. SERDAR YILDIRIM**

**Assoc. Dr. ALİ İNAN**

**Research Assistant YASİR KILIÇ**

**Nagehan Tufan, OYAK Cement**

**Ertan Avcı, OYAK Cement**